

Title (en)
ROTATIONAL ABSORBER DEVICE AND METHOD FOR SCRUBBING AN ABSORBATE FROM A GAS

Title (de)
ROTATIONSDÄMPFER UND VERFAHREN ZUM AUSWASCHEN EINES ABSORBATS AUS EINEM GAS

Title (fr)
DISPOSITIF D'ABSORPTION ROTATIF ET PROCÉDÉ DE LAVAGE D'UN ABSORBAT À PARTIR D'UN GAZ

Publication
EP 3624923 B1 20210414 (EN)

Application
EP 18725001 A 20180501

Priority

- NL 2018925 A 20170516
- NL 2018050286 W 20180501

Abstract (en)
[origin: WO2018212643A1] A device and method for scrubbing an absorbate from a gas is described. The rotational absorber device comprises a housing having a gas inlet, a gas outlet, an absorbent liquid inlet and an absorbent liquid outlet; a rotor mounted for rotation in said housing and connecting to the inlets and outlets, the rotor comprising a plurality of scrubbing channels extending axially and parallel to a common rotation axis; and means for rotating the rotor. The device and method provide a scrubbing of the gas with improved selectivity and efficiency.

IPC 8 full level
B01D 53/18 (2006.01); **B01D 3/28** (2006.01); **B01D 3/30** (2006.01)

CPC (source: EA EP KR US)
B01D 3/28 (2013.01 - EA EP KR); **B01D 3/30** (2013.01 - EA EP KR); **B01D 19/0052** (2013.01 - EA EP KR); **B01D 53/1406** (2013.01 - US); **B01D 53/1481** (2013.01 - EA US); **B01D 53/1487** (2013.01 - EA US); **B01D 53/185** (2013.01 - EA EP KR US); **C07C 31/04** (2013.01 - US); **Y02C 20/40** (2020.08 - EP)

Cited by
NL2026584B1; WO2022069320A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2018212643 A1 20181122; AU 2018271034 A1 20200116; AU 2018271034 B2 20230720; BR 112019024101 A2 20200602; CA 3063676 A1 20181122; CN 110891669 A 20200317; CN 110891669 B 20220701; CY 1124214 T1 20220527; DK 3624923 T3 20210614; EA 038289 B1 20210805; EA 201992711 A1 20200416; EP 3624923 A1 20200325; EP 3624923 B1 20210414; HR P20210884 T1 20210723; JP 2020523196 A 20200806; JP 7127119 B2 20220829; KR 102508887 B1 20230309; KR 20200012898 A 20200205; NL 2018925 B1 20181123; PH 12019502550 A1 20210125; PL 3624923 T3 20211018; PT 3624923 T 20210625; US 11298650 B2 20220412; US 2020070089 A1 20200305

DOCDB simple family (application)
NL 2018050286 W 20180501; AU 2018271034 A 20180501; BR 112019024101 A 20180501; CA 3063676 A 20180501; CN 201880046934 A 20180501; CY 211100503 T 20210609; DK 18725001 T 20180501; EA 201992711 A 20180501; EP 18725001 A 20180501; HR P20210884 T 20210602; JP 2020514653 A 20180501; KR 20197037086 A 20180501; NL 2018925 A 20170516; PH 12019502550 A 20191115; PL 18725001 T 20180501; PT 18725001 T 20180501; US 201816614031 A 20180501